

Trans-anulaa (Trans-ring) Effect in Macro-Cyclic
compounds, by Ya. L. Gol'bfarb, Velen'kiy.

RUSSIAN, per, Uspehi Khim, Vol XXVZ, No 3, 1957,
pp 362-387.

Tech and Com

Sci - Chem

Apr 58

62,251

61-15779

Starik, I. E.
ETAT DES MICROQUANTITES DE RADIOELEMENTS
DANS PHASES LIQUIDE ET SOLIDE [Sostoyaniye
Mikrokolichestv Radioelementov v Zhidkoi i Tverdoi
Faze] (Study of Microquantities of Radioelements in
Liquid and Solid Phases) tr. by Schkaff. 13 June 58 [22]p.
40 refs. CEA Trans. no. R 398 (text in French).
Order from OTS or SLA \$2.60 61-15779

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 4, p. 389-398.
A translation in English is available from LC or SLA
mi\$1.80, ph\$1.80 as 59-22232, CTS-446, Apr 58 [9]p.

DESCRIPTORS: *Colloids, Radiochemistry,
*Radioactive isotopes, Phase studies.

Test & Eval

\$40.00

Co-op to Schine
TR 446

(Nuclear Physics and Nuclear Chemistry, TT, v. 6, no. 6)

I. Starik, I. E.
II. CEA-tr-R398
III. Commissariat à l'Energie
Atomique (France)

176520

Office of Technical Services

Reactions Caused by Migration of Hydride-Ion in the
Hydrocarbon Chemistry, by K. D. Nenitseeu.

RUSSIAN, per, Uspekhi Khim., Vol XLVI, No 4, 1957,
pp 399-415.

Tech and Com
\$150.00

Sci - Chem

Apr 58

62,245

Modern Presentation of the Oxidation Mechanisms of
Hydrocarbons in Liquid Phase, by D. G. Knoppe, Z.K.,
MAY 20 5, 88 PP.
RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 416-458.

Tech and Com
\$380.00

Sci - Chem

ATIC F-75-9650/Y

Apr 58

62,246

Synthesis and Properties of Arylnitromethane, by
S. S. Novikov.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 459-493.

Tech and Com
\$240.00

Sci - Chem

Apr 58

62,247

Electrode Potentials of Metals in Molten Salts,
by Yu. K. Delimarskiy. 33pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957,
pp 494-515.

OTS TT-63-24311
DSIR LLU RTS 1170
Tech and Com

Sci - Chem

RAE 916

Aug 60

122,517

The Great Russian Scientist and Patriot D. I.
Mendeleyev. On the 50th Anniversary of the Death
of D. I. Mendeleyev, by N. A. Figurovskiy.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 517-527.

Tech and Com

Sci - Misc
USSR
Biog

Apr 58

62,241

Oxidizing-Hydrolytic Conversion of Organic Compound,
by M. M. Shemyakin, L. A. Shukina.

RUSSIAN, per, Uspekhi Khim. Vol XXVI, No 5, 1957.
pp 528-553.

Tech and Com

Sci - Chem

Apr 58

62,242

Acid-Base Properties of Metallurgic Cinder, by
L. A. Sh'artsman, I. T. Tomilin,

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 554-567.

Tech and Com

Sci - Chem

Apr 58

62, 243

Electrophoresis as Inert Carriers, by Rozne Munte.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 568-507.

6

Tech and Com

Sci - Electron

Apr 58

62,244

Mercapto and Mercapto-amino Carboxylic Acids, by
M. N. Tschukina, Ivan Chen'e.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957,
pp 608-624.

Tech and Com

Sci - Chem

Apr 58

62,237

Analytical Chemistry of Neptunium, by I. P. Alimarin,
Yu. A. Zolotov, 32 pp.

RUSSIAN, no per, ^{Uspekhi}~~Uspekhi~~ Khim, Vol XXVI, 1957,
pp 625-639.

Isch - Comm
AEC Tr 3048

Sci - Chem
Oct 57

54,292

SLA R-1986

Phase Conversion in Normal Paraffinic Hydrocarbons
With long Chains, by N. A. Nechitailo, G. B. Ravich.

RUSSIAN, per, Uspekh Khim, Vol XXVI, No 6, 1957,
pp 640-658.

Tech and Com

Sci - Chem

Apr 58

62,238

Some Problems of the Semiconducted Catalysis
(According to the Material of the International
Congress on Catalysis in Philadelphia), by F. F.
Vol'menshtein.

RUSSIAN, per, Uspekhi Khim. Vol XXVI, No 6, 1957,
pp 659-672.

Tech and Com

Sci - Chem

Apr 58

60A, 239

Modern Presentation of the Action-Mechanism of
Adsorption Indicators, by N. G. Polyanskiy.

RUSSIAN, per, Uspekhi Khim., Vol XXVI, No 6, 1957,
pp 673-677.

Tech and Chem

Sci - Engr

Apr 58

62,240

Thio-Ethers of Alkylenes, by D. V. Yoffe, F. Yu. Rachinskiy.

RUSSIAN, per. Uspekhi Khim, Vol XXVI, No 6, 1957.
pp 678-688. ~~_____~~

Sci .. Chem

APR 58

Tech and Com

Tech and Com
Assoc TECHNICAL RJ-1484

Dept of Religion
Birmingham, Ala
Birmingham, Ala 62, 233
62

The Reactions of Aromatic Diazo Compounds With
Unsaturated Compounds, by A. V. Dombrowskiy.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 6, 1957,
pp 689-716.

Tech and Com

Sci - Chem

Apr 58

62,234

Report on Atomic Weights From 1954-1955, by E.
Uickers.

RUSSIAN, per. Uspekhi Khim, Vol XXVI, No 6, 1957,
pp 717-724.

Tech and Com

Sci - Nuc Phys, Chem

Apr 58

62,235

Mechanism of Some Simple Chemical Reaction Pro-
ceeding Under the Action of Ionized Radiation, by
S. Ya. Pshetakiy.
zhetskii, Dmitriev, 68 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 725-767.

CIA 644804

Tech and Com

ASTIA Doc No 209909

CSIRO

Sci - Chem

Apr 58

62,236

Orientation of High Polymer and Its Influence on
Their Physico-Chemical Properties, by Yu. S.
Lipatov.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 768-800.

Asst. Tech. Sec. / 1443
Tech and Com M

Sci - Chem

Apr 58

62, 229

Reaction of C(-Oxides With Ammonia, Amines, and
Other Nitride Compounds, by M. S. Malinovskiy.

RUSSIAN, per, Uspekh Khim, Vol XXVI, No 7, 1957,
pp 801-823.

Tech and Com

Sci -- Chem

Apr 58

62,230

Synthesis of Hetero-Bicyclic Condensed Pyrimidine
Systems.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 824-855.

Tech and Com

Sci - Chem

Apr 58

62, 231

Anti-Neutrons Obtained From Anti-Protons at the
Collision With Overcharge.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 856-860.

Tech and Com

Sci -Phys

Arpr 58

62, 232

New Information in Field of Synthesis
of Semi-Inorganic Polymers, by K. A.
Andryanov.

RUSSIAN, per, Uspekhi Khim, Vol XXVI,
No 8, 1957, pp 895-922.

CSIRO

Sci - Chem
Jul 62

203,466

Complex Compounds of Rare-Earth Elements, by E.
A. Turent'eva, 46 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, 1957,
pp 1007-1035.

AEC UCRL Tr 522(L)

Sci - Chem
Jun 60

118,896

Unsaturated Inorganic-Organic Compounds and Their
Polymers, by M. M. Koton. UNCLASSIFIED

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 7, 1957,
pp 1125-1141,

*DSIR/TCL 108

Sci - Chem
Oct 58

Energy of Chemical Bonds, by V. N. Kondrat'ev.

RUSSIAN, per, Uspekhi Khim. Vol XXVI, No VIII,
1957, pp 861-894.

Tech and Com

Sci - Chem

Apr 58

62,225

News in the Field of the Synthesis of Heterochain-
Organic (Element) Polymers, by K. A. Andriyanov

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No VIII, 1957,
pp 895-922. CIA 9035105

ATS-RJ-2654
Tech and Com

Sci - Chem

Apr 58

RAE. TL 710

62, 226

Co-Op Tr Scheme 524

Chemistry of Silicon, by R. Shvarts.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No VIII, 1957,
pp 923-935.

Tech and Com

Sci - Chem

Apr 58

62, 227

Plyushchev, V. E. and Shakno, I. V.
ETAT ACTUEL DU DEVELOPPEMENT DE LA TECH-
NOLOGIE DU RUBIDIUM, DU CESIUM ET DE LEURS
COMPOSES [Development and Recent Status of Techno-
logy of Rubidium and Cesium and Their Compounds]
tr. by Kervegant. 6 May 60 [63]p. 157 refs. CEA Trans
no. R 907 (text in French).
Order from OTS or SLA \$6.60

61-23727

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 8, p. 944-964.
A translation in English is available from LC or SLA
ml\$3.30, ph\$7.80 as AEC-tr-3820 [1960] 45p.

DESCRIPTORS: *Rubidium, *Cesium, Cesium com-
pounds, Rubidium compounds, Separation.

(Chemistry--Inorganic, TT, v. 6, no. 6)

61-23727

I. Plyushchev, V. E.
II. Shakno, I. V.
III. CEA-tr-R907
IV. Commissariat à l'Energie
Atomique (France)

Tech. & Com.
AEC-tr-3820
176662

Office of Technical Services

Non-Isotopic Radioactive Indicators in the
Analytic Chemistry, by I. M. Korerman.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No VIII, 1957,
pp 936-943.

Tech and Com

Sci - Chem

Apr 58

62,228

61-15768

Bydin, Yu. F.
METHODE DE SPECTROSCOPIE DE MASSE POUR
L'ANALYSE DE FAIBLES QUANTITES D'IMPURETES
(Mass Spectroscopy Method for Analysis for Small
Quantities of Impurities) tr. by Marcoule. 15 Oct 59
[23]p. 17 refs. CEA Trans. no. R 731 (text in French).
Order from OTS or SLA \$2.60 61-15768

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 8, p. 965-974.
A translation in English is available from MDF \$7.00
as MDF B-146 [1959] 14p.

DESCRIPTORS: *Mass spectroscopy, *Solids, Impuri-
ties, Isotope separation.

For abstract see Technical Translations 3: 196, 1960.

(Physics--Spectroscopy, TT, v. 6, no. 6)

I. Bydin, Yu. F.
II. CEA-tr-R731
III. Commissariat à l'Énergie
Atomique (France)

MDF B-146
Tech and Com

176519

Office of Technical Services

14 890

GE-1 US-56

TERENT'EVA E. A.

Complex compounds of rare-earth elements

Komplexverbindungen der seltenen Erden

Uspekhi Khim., 26, 1007-1035 (1957)

GE-1: German

US-56: UCRL-Trans-522 (L) - English

Abs.: NSA, 14, No. 14, ref. 13603 (1960) - English

E u r a t o m

Addition of Nitroalkanes to Compounds Containing an
Activated Double Bond, by S. S. Novikov, et al.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 10,
1957, pp 1109-1124.

ATS RJ-1247

Sci - Chem
Apr 60

114,550

Unsaturated, Inorganic-Organic Compounds and Their
Polymers, by N. N. Koton. UNCLASSIFIED

RUBINIAN, per, Uspekhi Khim, Vol XXVI, No 10, 1957
pp 1125-1141.

Co-op Tr Scheme 535
(L 6.16a.)

Sci.
Jan 58

K-H 6868

SLA IT 64-30115.

77,839

New Developments in Organometallic Synthesis, by
K. Ziegler. UNCLASSIFIED

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 10, 1957,
pp 1187-.

*DSIR/TCL Tr 108

Sci - Chem
Sep 58

(P. 1187)

Advances in the Chemical Industry of the Soviet
Union Over a Period of 40 Years, by S. M. Tikhomirov,
I. K. Zamarayev, 51 pp.

RUSSIAN, per, Uspekhi Khimii, Vol. XXVI, No 11, Nov
1957, pp 1203-1229.

ATIC F-1S-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65, 623

Forty Years of Development of Inorganic Chemistry
in the USSR, by I. I. Chernyayev, 21 pp.

RUSSIAN, per, Uspekhi Khimii, Vol. XXVI, No 11, Nov
1957, pp 1230-1240.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65, 624

Soviet Organic Chemistry During 40 Years, by
A. H. Nesmeyanov, M. I. Kabachnik, 98 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11,
Nov 1957, pp 1241-1294.

ATIC F-TS-9400/V

ATS RJ-1628

USSR

Econ

Sci - Chemistry

Jun 58

65,625

Principal Stages in the Development of the
Chemistry of High-Molecular Compounds During 40
Years, by V. V. Korshak, 29 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, No 11,
Nov 1957, pp 1295-1309.

ATIC F-TS-9400/V

USSR
Econ
Sci - Chemistry
Jun 58

65,626

The Development of Chemical Physics in the USSR
During Forty Years, by V. N. Kondrat'ev.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 11, 1957,
pp 1310-1319. *4077073*

u s s r

ATS RJ-17.16

Sci - Chem, Phys
Jul 59

90, 452

61-23752

Rebinder, P. A.
DEVELOPMENT DE LA CHIMIE COLLOÏDALE EN
U. R. S. S. AU COURS DES QUARANTE DERNIERES
ANNEES, tr. by Mme. Bourrely. 27 Oct 59 [73]p.
337 refs. CEA Trans. no. R 748 (text in French).
Order from OTS or SLA \$7.60 61-23752

Trans. in French of Uspekhi Khimii (USSR) 1957,
v. 26, no. 11, p. 1320-1342.

DESCRIPTORS: *Colloids, *Chemistry, USSR.

I. Rebinder, P. A.
II. CEA-tr-R748
III. Commissariat à l'Énergie
Atomique (France)

176673

Office of Technical Services

(Chemistry--Physical, TT, v. 6, no. 6)

Advances of Analytical Chemistry Over 40 Years, by
I. F. Alimarin, 16 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 11, 1957,
pp 1343-1354.

~~XXXXXXXX~~
ATS-58L3CR
AIS - RJ - 1984

Sci - Chem
Sep 59

Vol 2, No 1

97,241

Polymerization of Olefines Into High Molecular
Products Over Oxidation Catalysts, by A. V.
Topchiyev, et al. UNCL

RUSSIAN, per, Uspekhi Khim, Vol. XXVI, No 12,
1957, pp 1355-1374.

Co-op Tr Scheme 611
(18.)

Sci - Chem
Mar 59

83,411

S-123/60

(NY-3662)

Thermodynamic and Kinetic Features of the Isotopic
Exchange Reactions of Hydrogen, by Ya. M.
Varshavskiy, S. E. Vaysberg, 55 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVI, no 12, 1957,
pp 1434-1468.

JPRS 5401

Reverse tr to French CEA R-560

Sci - Chem

Aug 60

125,160

Cyclopentadienyl Compounds of Metals and
Related Compounds, by A. N. Nesmeyanov, E. G.
Perevalova.

RUSSIAN, per, Uspekhi Khim, Vol. XXVII, No 1,
1958, pp 3-56.

RAE 872

Sci - Chem

Jan 61

OTS 67-14052
137,372

OTS II-63-24293

Structure and Nature of the Bonds in Aromatic
Complexes of Metals, by M. E. Dyatkina.

RUSSIAN, per, Uspakh Khim, Vol XXVII, No 1,
1958, pp 57-93.

Assoc Tech Serv RJ-1420
" " " 77K23R

Sci - Chem

Apr 59

85,303

Mechanochemical Transformations and Synthesis
of Polymers, by A. A. Berlin.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 1,
1958, pp 94-106.

Assoc Tech Serv RJ-1460
" " " 31K25R

Sci - Chem

Apr 59

85,597

Action Chimique des Atomes Obtenus a la Suite de Transformations Nucleaires, (Chemical Effects of Atoms from Nuclear Reactions), by A. N. Nesmeyanov, E. A. Borisov, 95 pp.

RUSSIAN to FRENCH, per, ~~MS~~ Uspekhi Khim, Vol XXVII, 1958, pp 133-161.

Reverse Trans
CEA Tr-F-933

Sci
25 Apr 61

61-22345

Malkin, V. I.
MOBILITY OF CATIONS IN SILICATES [O
Podvizhnosti Kationov v Silikatakh]. [1961] 11p.
Order from ATS \$19.95 ATS-76N50R

Trans. of Uspekhi Khim[ia] (USSR) 1958, v. 27, no. 3,
p. 306-315.

DESCRIPTORS: *Silicates, Ions, Motion.

I. Malkin, V. I.
II. ATS-76N50R
III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RT-3048

155169

Office of Technical Services

(Chemistry--Physical, TT, v. 6, no. 8)

Catalytic hydrogenation of lower paraffinic
hydrocarbons, by G. D. Lyubarskiy.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 3, 1958,
pp 316-352.

Assoc Tech Serv RJ-1406

Sci - Chem

Apr 59

85,292

Pyrophoricity in Alloys, by H. Nowotny.

RUSSIAN, per, Uspekhi Khim, No 3, 1958, pp 353-364.

Infosearch Ltd.

Sci - Chem

Sep 59

96,392

The Mechanism of the Action of Inhibitors in Chain
Reactions of Liquid Phase Oxidation, by E. T.
Denisov, N. M. Emanuel, 110 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 4, 1958,
pp 365-402.

SLA 59-14730

Sci - Chem
Sep 59
Vol 2, No 1

97,280

"Poor" and "Good" Solvents of Polymers, by
A. A. Tager.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 4,
1958, pp 481-487.

Assoc Tech Serv RJ-1445
" " " 78K2AR

Sci - Chem

Apr 59

85, 320

Present Status of Nuclear Chemistry, by A. A.
Lavrulchina, 52 pp.

RUSSIAN, per, Uspekhi Khim USOE, Vol XXVII, No 5,
1958, pp 517-550.

RIS R-756

Sci - Chemistry
Sep 59
Vol II, No 2

98,668

Malinovskiy, M. S.
PREPARATION OF α -OXIDIC COMPOUNDS (Polu-
cheniye α -Oksinykh Soyedinenii). Mar 61 [35]p.
203 refs. RTS 1759.
Order from LC or SLA m\$3.00. ph\$6.30 61-19223

Trans. of Uspekhi Khimii (USSR) 1958, v. 27, no. 5,
p. 122-142.

A literature survey shows that three methods are
practical for the production of α -oxide rings: (1) direct
oxidation of unsaturated compounds by peracids, or in
some cases by oxygen in the presence of a catalyst or
by hydrogen peroxide in an alkaline medium; (2) hypo-
chlorination of olefins followed by treatment of the re-
sulting halohydrin with an alkali; and (3) condensation
of carbonyl compounds with esters of α -chloroacetic
acid or with a haloacetophenone to give glycidic esters
or ketoxides.

(Chemistry--Organic. TT, v. 5, no. 12)

61-19223

1. Oxides--Synthesis
2. Ethylenes--Oxidation
3. Ketones--Condensation
4. Aldehydes--Condensation

I. Malinovskiy, M. S.

II. RTS-1759

III. Department of Scientific
and Industrial Research
(Gt. Brit.)

106650

Office of Technical Services

The Tasks of Chemistry in the Light of the
Decisions of the May Plenary Session of the
G.P.S.U. Central Committee,

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 6,
1950, pp 1-4.

NLL M. 2580

Sci - Chem

Jan 62

180,042

Etat Actual De La Microscopie Electronique Par
Transparence Et Son Emploi Dans Les Recherches
Physicochimiques, by V. M. Luk'yanov,

RUSSIAN TO FRENCH, per, Uspekhi Khim, Vol XXVII,
1958, pp 690-696.

AEC CEA-Tr-12-759

Sci - Electronics

Apr 60

Mechanisms of Organic Reactions Hydrolysis
and Esterification, by Ye. K. Syrkin, I. I.
Moiseyev, 15 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 6,
1958, pp 717-730.

Assoc Tech Sv 56K28R
ATS RI-1630

Sci-Chem
Jun 59
ONS I, 10

89,700

Thermodynamic Properties of Liquid Alkali Metal-
Containing Alloys, by A. F. Alabyshev,
M. F. Lantratov, et al.
RUSSIAN, per, Uspekhi Khimii, Vol 27, No 8, 1958,
pp 921-937. P911044366
AEC ANL-tr-329

Sci./Materials
Sep 66

311,435
-309,545

Separation of Racemates by Adsorption, by E. I.
Klabunovsky.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, 1958,
pp 949-965.

NLL N. 2951

Sci - Chem

180,003

Jan 62

Vinylation by Means of the Grignard Reaction, by
S. T. Yoffe.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 8, 1958,
pp 1010-1024.

ATB BJ-1629

ATS-35L31R

Sci - Chem

Jul 59

90,828

A Brief Survey of the Researches on Isotactic
Polymers, by E. S. Krongauz, A. P. Suprun, 31 pp.

RUSSIAN, per, Uspekhi Khim USSR, Vol XXVII, No 9,
1958, pp 1056-1083.

ATS-75L3LR

Sci - Chem

Dec 59

III Vol 2, No 4

102, 788

The Synthesis of Polymer Electrolytes and Their
Application, by E. B. Trostyanskaya, et al. UNCL

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 9, 1958,
pp 1084-1100.

DSIR LIA ⁹ RTS 1013

12. 2s. 6d.

Sci - Chem
Sep 59

95,826

Glass Plastics, by B. A. Kiselev. UNCL.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 9,
1958, pp 1101-1114.

DSIR LLU RTS 1241

LL.15s. (d. anywhere

Sci - Chem
Oct 59

(possibly ATIC F-TS-9967/III)

9671701

99,465

THE TASKS OF CHEMISTRY IN THE LIGHT OF
THE DECISIONS OF THE MAY PLENARY SESSION
OF THE C. P. S. U. CENTRAL COMMITTEE (Zadachi
Khimicheskoi Nauki v Svete Reshenii Maiskogo
Plenuma TsK KPSS). [1961] [8]p. (foreign text in-
cluded). DSIR NLL M. 2580.

Order from OTS or SLA \$1.10

61-28456

Trans. of Uspekhi Khimii (USSR) 1958, v. 27, no. 6
[p. I-IV].

DESCRIPTORS: *Chemical industry, Industrial pro-
duction, Growth.

(Engineering--Chemical, TT, v. 7, no. 7)

61-28456

I. DSIR NLL M. 2580

Office of Technical Services

Krongauz, E. S. and Suprun, A. P.
BRIEF SURVEY OF PUBLISHED WORK ON ISOTACTIC
POLYMERS. [1963] 37p. 64 refs.
Order from OTS or SLA \$3.60

63-14326

Trans. of Uspekhi Khimii (USSR) 1958, v. 27 [no. 9]
p. 1056-1083.

Another trans. is available from ATS \$29.75 as
ATS-75L31R [1959] 31p.

DESCRIPTORS: *Polymers, *Stereochemistry, Bibliog-
raphies, *Ziegler catalysts, *Polyethylene plastics,
Propenes, Butenes, Dienes, *Acetal plastics, *Styrene
plastics, *Polyvinyl chloride, *Block polymers,
*Elastomers, Polymerization, Reaction kinetics,
Physical properties, Chemical properties.

Topics include: Production of stereoregular polymers;
mechanism and kinetics of the stereospecific polymeri-
(Materials--Plastics, TT, v. 10, no. 3) (over)

63-14326

1. Title: Isotactic polymers
- I. Krongauz, E. S.
- II. Suprun, A. P.

Office of Technical Services

Study of the Composition of the Light Fractions of
Soviet Crudes, by A. V. Topchiyev, B. A. Kazanskiy
et al, 40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XIVII, No 10, 1958,
pp 1177-1197.

ATIC MEL-580/III

Sci - Fuels

Oct 60

128,489

Unsaturated Compounds of Silicon, by M. F.
Shostakovskiy, D. A. Kochkin, V. L. Vinogradov,
52 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 10,
1958, pp 1221-1256.

SAY 59-15000

Sci - Chem
Sep 59
Vol 2, No 2

97,989

Elemento-Organic Polymeric Compounds, by K. A.
Andryanov. UNCL

RUSSIAN, par, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1257-1303.

AEC NP-OL-457

DBIR LIU RTS 1014

~~Possibly~~ ATIC-F-TS 9933/V

15.17e.6d.

95, 827

8c1 - Chem
8ep 59

Present State of the Electronic Theory of Catalysis
on Semiconductors, by P. P. Vol'kenshtein.

RUSSIAN, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1304-1320.

ATS RJ-1671

Sci - Chem, *Electron*

Jul 59

90,848

Gas-Liquid Chromatography of Liquid Petroleum
Hydrocarbons, by N. E. Podkletnov, D. E.
Dyachenkova.

RUSSIAN, per, Uspekhi Khim, No 11, 1958, pp
1354-1360.

ATS-874 30R

ATS RJ-1986

OTS 62-26484

Sci - Chem

Jan 60

105 675

Carbenes (Compounds of Divalent Carbon Formed
As Intermediates in Organic Reactions), by
I. L. Khunyanov, et al.

RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 12,
1958, pp 1361-1436.

ATE RJ-1876

Sol - Chem

Jun 60

105,077.

(2369-B)

The Organolithium Synthesis of Hydrocarbons and
Their Oxygen-Containing Derivatives, by A. D. Petrov,
Ye. B. Skolova, Gao Chin-Ian, 7 pp.

RUSSIAN, per, Uspekhi Khimii, Vol XXVII, No 12,
1958, pp 1471-1475.

JPRS/P-8-N

Sci - Chem
mar 59

82,643

Chlorocarbons, by N. M. Kogan.

RUSSIAN, per, Uspekhi Khim, Vol XVIII, 1959.

CSIRO

Skol - Chem
Aug 62

211,147

Sur la Nature de l'Echange Isotopique de l'Hydrogene
Dans les Solutions, (On the Nature of Isotopic
Exchange of Hydrogen in Solutions), by A. I. ~~Shatenshte~~
Shatenshtein, 88 pp.

RUSSIAN to FRENCH, per, Uspekhi Khim, Vol XXVIII, No 1,
1959, pp 3-32.

Reverse Trans
CEA Tr-R-1207

Sci
Jun 61

Novoselova, A. V.
FLUORURE DE BERYLLIUM ET FLUOROBÉRYLLATES (Floristyl Berillii i Floroberillaty [Beryllium Fluoride and Fluoroberyllates] tr. by Kefell. 15 Dec 60 [29]p. (Non-Russian refs. omitted) 34 refs. CEA Trans. no. R 1116 (text in French).
Order from OTS or SLA \$2.60 61-19594

Trans. in French of *Uspekhi Khimii* (USSR) 1959, v. 28, no. 1, p. 33-43.
Translations in English available from LC or SLA mi\$2.70, ph\$4.80 as AEC-tr-3992, 23 Feb 60, 21p. and from OTS \$0.75 as 59-31026, JPRS(DC)-L-1914, 27 Oct 59, 21p.

DESCRIPTORS: *Beryllium compounds, *Fluorides, *Fluoberyllates, Crystal structure, Physical properties, Beryllium, Separation.

(Chemistry--Inorganic, TT, v. 6, no. 6)

61-19594

- I. Novoselova, A. V.
- II. CEA-tr-R1116
- III. Commissariat a l'Energie Atomique (France)

176622

Office of Technical Services

(WY-5525).

Some New Forms of the Arbuzov Rearrangement, by
V. A. Kukhtin, A. N. Pudovik,

RUSSIAN, per, Uspekhi Khimii, Vol XXVIII, No 1,
1959, pp 96-116.

Sci - Chem

*JPRS

23 Mar 1960

Rare-earth Metal Borides, by G. V. Samsonov,
40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, 1959,
pp 189-217. *CIA 9660872*

REC AERE Tr-849
**ATIC MCL-149/III*

Sci - Chem
Aug 60

124,015

Rearrangement and Migration of Acyls in
the Aromatic Amine Series, by B.I. Ardashev,
V.I. Minkin.
RUSSIAN, per Usp. Khim., Vol. 28, No. 2,
1959, pp 218-234
NLI/RTS 2290 - 40s Od.

Sci -
Aug 67

337-550

Akhmanov, M. V.
SPECTRES INFRAROUGES D'ABSORPTION DES
MINÉRAUX [Infrairasye Spektiry Pogloshcheniya
Mineralov] [Infrared Absorption Spectra of Minerals]
tr. by S. Szysmans. 18 July 60 [73]p. (105 non-Russian
refs. omitted) 17 refs. CEA Trans. no. R 985 (text
in French).
Order from OTS or SLA \$7.60 61-15802

Trans. in French of Zap[iski] Khim[ii] (USSR)
1959, v. 28, no. 3, p. 312-335.

DESCRIPTORS: *Infrared spectroscopy, *Minerals,
Spectroscopy.

(Physics--Spectroscopy, TT, v. 6, no. 2)

61-15802

I. Akhmanov, M. V.
II. CEA-tr-R985
III. Commissariat à l'Énergie
Atomique (France)

169703

Office of Technical Services

Thorium and Its Compounds, by D. I. Ryabchikov,
Ye. K. Golbraykh, 43 pp, UNCL

RUSSIAN, per, Uspekhi Khim, Vol XVIII, No 4, 1959,
pp 408-435. 9660844

ATTC MEL -325/III
AEC NP-6W-580

Sci - Chem

Apr 61

Telecom 41790

147,895

Mechanism of Polymerization Under the Action of
Organometallic Compounds and Their Complexes,
by M. I. Kisevitchky,

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 4,
1959, pp 465-483.

ATS RJ-2130

Sci - Chem

May 60

115,416

Kreshkov, A. P. and Bork, V. A.
PROGRESS IN THE FIELD OF ORGANO-SILICON
COMPOUND ANALYSIS (Uspekhi v Oblasti Analiza
Kremniyorganicheskikh Soyedineniy). Nov 60 [50]p.
149 refs. RTS 1712.
Order from LC or SLA m\$3.30, ph\$7.80 61-15000

Trans. of Uspekhi Khimii (USSR) 1959, v. 28, no. 5,
p. 576-604.

A literature survey based Soviet and non-Soviet
sources.

143,320

(Chemistry--Analytical, TT, v. 3, no. 4)

61-15000

1. Silicon compounds
(Organic)--Analysis
2. Silicon compounds
(Organic)--Bibliography
3. Bibliography--Silicon
compounds (Organic)
 - I. Kreshkov, A. P.
 - II. Bork, V. A.
 - III. RTS-1712
 - IV. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

The Stereochemical Aspect of the Hydrogen Bond,
by R. Zhonon.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 5, 1959,
pp 605-614.

OTS 60-23572
DSIR LLU RTS 1489

Sci - Chem

Aug 50

122,519

Margolis, L. Ya.
CATALYTIC OXIDATION OF HYDROCARBONS AS A
MEANS FOR THE SYNTHESIS OF MONOMERS.
[1960] 27p.
Order from ATS \$31.60

ATS-22M45R

Trans. of Uspekhi Khimii (USSR) 1959, v. 28, no. 5,
p. 615-638.

9080885

141, 162

61-12085

1. Hydrocarbons--Oxidation
2. Metal oxides--Catalytic properties

I. Margolis, L. Ya.

II. ATS-22M45R

III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-RJ-2661

AERE-Tr 860

Harwell

NLL M. 4266

Office of

The Adsorption Theory of Adhesion.
Sect V, (pp 710-74), of 'Contemporary
Views on the Adhesion of High Polymers',
by S. S. Voyutskiy, V. L. Vakula.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII,
No 6, 1959.

CSIRO

Sci - Phys
Dec 61

175, 175

The Electrical Theory of Adhesion, Sect VI,
(pp 714-718) of 'Contemporary Views on the
Adhesion of High Polymers', by S. S. Voyutskiy,
V. L. Vakula.

RUSSIAN, per, Uspekhi Khim, Vol. XXVIII,
No 6, 1959.

EX CENIRO

Sed - Chem
Apr 62

191,431

Silazols, by M. F. Shostakovskiy, et al.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 6,
1959, pp 741-771.

9662359

DSIR LLU RTS 1467

h
*ATIC MCL-437/V

Sci - Chem

Oct 60

128,840

Inorganic Compounds of High Molecular Weight, by
V. V. Korshak, K. K. Morgova, 57 pp. USCL

RUSSIAN, per, Uspekhi Khim, Vol XVIII, No 7,
pp 783-818.

X ATIC NHL-413/v

Sci - Chem

May 60

116,449

Theories Modernes dur la Structure du Charbon,
(Modern Theories on the Structure of Carbon), by R. N.
Smirnov, 62 pp.

RUSSIAN to FRENCH, per, Uspekhi Khim SSSR, Vol XXVIII,
No 7, 1959, pp 826-849.

Reverse Trans
CEA Tr-R-545

Sci
May 61

New Methods of Modifying the Properties of Cellulose,
by Z. A. Rogovin, 15 pp. UNCL

RUSSIAN, ~~sk~~, Uspekhi, Khim, Vol XXVIII, No 7, pp 850-
875.

ATIC MEL-413/I

Sci - China

May 60

116,450

Problems Concerned with the Mechanochemistry of
High Polymers, by N. K. Baranboyn, 3 pp. UNCL

RUSSIAN, per, Uspekhi Khim, Vol XLVIII, No 7,
pp 877-886.

ATIS MIL-413/I

Sci - Chem

May 60

116,452

Ald- and Ketazines, by A. N. Kost, I. I.
Grandberg.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 8,
1959, pp 921-947.

DSIR LLU RTS 1519

Sci - Chem

Oct 60

130,715

S-5591

(DC-3703).

Some Problems of Modern Biochemistry in the USSR,
by V. A. Engel'gardt, 40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 9, 1959,
pp 1011-1035.

JPRS 3534

Sci - Med
Jul 60

119,720

Mayat, N. S. and Golova, O. P.
THE PROBLEM OF THE STABILITY OF POLY-
SACCHARIDES IN AN ALKALINE MEDIUM (K
Voprosu ob Ustoichivosti Polisakharidov v Shchelochnoy
Srede). Jan 61 [34] p. 85 refs. RTS 1614.
Order from LC or SLA m\$3.00, ph\$6.30 61-15641

Trans. of Uspexhi Khimii (USSR) 1959, v. 28, no. 9,
p. 1114-1133.

A review of the literature shows that the presence of
the hemiacetal reducing group at the end of the mole-
cule has an important influence on the degradation of
mono-, di- and polysaccharides in an alkaline medium
in the absence of oxidizing agents. This group is the
active center of the transformations of reducing sugars.
Owing to its enolizing tendency it can give unstable
enediols of polyhydroxy compounds which undergo
further changes in an alkaline medium. The influence
of the hemiacetal group on molecules of di- and poly-
saccharides mainly takes the form of weakening of the.
(Chemistry--Organic, TT, v. 5, no. 9) (over)

61-15641

- I. Saccharide polymers--
Stability
- I. Mayat, N. S.
- II. Golova, O. P.
- III. RTS-1614
- IV. Department of Scientific
and Industrial Research
(Ct. Brit.)

152104

Office of Technical Services

To All Scientific Workers in the USSR Conducting
Work Connected With Measurement of Thermal
Values, 3 pp.

RUSSIAN, per, Uspekhi Khim, Vol. XXVIII, No 9,
1959, pp 2138-.

SLA 62-15090
NIR 0-1-60

Sci - Chem, Phys

RSTP

Feb 60

107448

Tsyperovich, A. S.
DENATURATION OF GLOBULAR PROTEINS. [1961]
65p. 145 refs. [NIH] no. 60.
Order from OTS or SLA \$6.60 62-15132

Trans. of Uspekhi Khimii (USSR) 1956, v. 25, no. 9,
p. 1173-1193.

DESCRIPTORS: *Proteins, Chemical reactions, Bio-
chemistry, Structures, Transformations, Molecular
structure.

(Biological Sciences--Biochemistry, TT, v. 8, no. 1)

62-15132

I. Tsyperovich, A. S.
II. NIH-60
III. National Institutes of
Health, Bethesda, Md.

Office of Technical Services